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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

**Attorney Docket No.** LAR 16091-1

**First Inventor** Christopher S. Welch

**Title** See 1 in Addendum

**Express Mail Label No.** ER 120788205 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- Fee Transmittal Form (e.g., PTO/SB/17)**  
(Select an original and a duplicate for fast processing)
- Applicant claims small entity status.**  
See 37 CFR 1.27.
- Specification** [Total Pages ]
  - Detailed arrangement and form below
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed Sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (*if filed*)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. C. 113)** [Total Sheets ]
- Oath or Declaration** [Total Pages ]
  - a.  Newly executed (original or copy)
  - b.  Copy from a prior application (37 CFR 1.63 (d))  
(for continuation/divisional with Box 18 completed)
  - i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.53(d)(2) and 1.33(b)
- Application Data Sheet. See 37 CFR 1.76**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation     Divisional     Continuation-in-part (CIP)

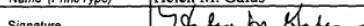
of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input checked="" type="checkbox"/> Customer Number or Bar Code Label		23351 (Insert Customer No. or Attach bar label here)		<input type="checkbox"/> Correspondence address below
Name				
Address				
City		State	Zip Code	Fax
Country		Telephone		
Name (Print/Type)	Helen M. Galus		Registration No. (Attorney/Agent)	40,615
Signature			Date	9/11/2003

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.



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# FEE TRANSMITTAL

## for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,888.00)

Complete if known

Application Number	
Filing Date	September 11, 2003
First Named Inventor	Christopher S. Welch
Examiner Name	
Art Unit	
Attorney Docket No.	LAR 16091-I

## METHOD OF PAYMENT (check all that apply)

 Check  Credit card  Money Order  Other  None
 Deposit Account

Deposit Account Number	14-0116
Deposit Account Name	National Aeronautics and Space Administration

The Commissioner is authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee  
 to the above-identified deposit account.

## FEE CALCULATION

## 1. BASIC FILING FEE

Large Entity	Small Entity	Fee	Fee	Fee	Fee Description	Fee Paid
Code (\$)	Code (\$)	Code (\$)	Code (\$)	Code (\$)		
1001 750	2001 375				Utility filing fee	750.00
1008 330	2002 165				Design filing fee	
1003 520	2003 260				Plant filing fee	
1004 750	2004 375				Reissue filing fee	
1005 160	2005 80				Provisional filing fee	
<b>SUBTOTAL (1)</b>		<b>(\$ 750.00)</b>				

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
53	-20** = 33	x 18	594
Independent Claims	9 - 3* = 6	x 84	504
Multiple Dependent		=	

Large Entity	Small Entity	Fee	Fee	Fee Description	Fee Paid	
Code (\$)	Code (\$)	Code (\$)	Code (\$)	Code (\$)		
1202 18	2202 9			Claims in excess of 20		
1201 84	2201 42			Independent claims in excess of 3		
1203 280	2203 140			Multiple dependent claim, if not paid		
1204 84	2204 42			** Reissue independent claims over original patent		
1205 18	2205 9			** Reissue claims in excess of 20 and over original patent		
<b>SUBTOTAL (2)</b>		<b>(\$ 1,098.00)</b>				

\*\*or number previously paid, if greater. For Reissues, see above

## 3. ADDITIONAL FEES

Large Entity Small Entity

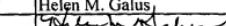
Fee Code (\$)	Fee Code (\$)	Fee Code (\$)	Fee Description	Fee Paid
1051 130	2051 65		Surcharge - late filing fee or oath	
1052 50	2052 25		Surcharge - late provisional filing fee or cover sheet	
1053 130	1051 130		Non-English specification	
1812 2,520	1812 2,520		For filing a request for ex parte reexamination	
1804 920*	1804 920*		Requesting publication of SIR prior to Examiner action	
1805 1,840*	1805 1,840*		Requesting publication of SIR after Examiner action	
1251 110	2251 55		Extension for reply within first month	
1252 410	2252 205		Extension for reply within second month	
1253 930	2253 465		Extension for reply within third month	
1254 1,450	2254 725		Extension for reply within fourth month	
1255 1,970	2255 985		Extension for reply within fifth month	
1401 320	2401 160		Notice of Appeal	
1402 320	2402 160		Filing brief in support of an appeal	
1403 280	2403 140		Request for oral hearing	
1451 1,510	1451 1,510		Petition to institute a public use proceeding	
1452 110	2452 55		Petition to revive - unavoidable	
1453 1,300	2453 850		Petition to revive - unintentional	
1501 1,300	2501 650		Utility issue fee (or reissue)	
1502 470	2502 235		Design issue fee	
1503 630	2503 315		Plant issue fee	
1460 130	1460 130		Petitions to the Commissioner	
1807 50	1807 50		Processing fee under 37 CFR 1.17(q)	
1806 180	1806 180		Submission of Information Disclosure Stmt	
8021 40	8021 40		Recording each patent assignment per property (times number of properties)	40.00
1809 750	2809 375		Filing a submission after final rejection (37 CFR 1.129(a))	
1810 750	2810 375		For each additional invention to be examined (37 CFR 1.129(b))	
1801 750	2801 375		Request for Continued Examination (RCE)	
1802 900	1802 900		Request for expedited examination of a design application	
Other fee (specify)				

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 40.00)

## SUBMITTED BY

(Complete if applicable)

Name (Print/Type)	Helen M. Galus	Registration No. (Attorney/Agent)	40,615	Telephone	757-864-3227
Signature		Date	September 11, 2003		

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete the form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

## Addendum

### 1. Optically Stimulated Electron Emission Contamination Monitor And Method

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Christopher S. Welch and Daniel F. Perey

Filed: September 11, 2003 (herewith)

For: Optically Stimulated Electron Emission Contamination Monitor and Method

**Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

**EXPRESS MAIL CERTIFICATE**

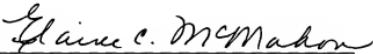
"Express Mail" label number EU 120788205 US

Date of Deposit: September 11, 2003

I hereby state that the following *attached* papers:

Application Data Sheet - 3 pages  
Utility Patent Application Transmittal - 2 pages  
Fee Transmittal - 1 page (2 copies)  
Non-provisional patent application - 21 pages  
Drawings - 2 sheets  
Declaration, Power of Attorney and Petition - 2 pages  
Assignment Cover Sheet - 3 pages (2 copies)  
Assignment to the Government by Individual Inventor - 1 page  
Assignment to the Government by Government Employee - 1 page  
Nonpublication Request - 1 page  
Return Postal Card

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10, on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Elaine C. McMahon